

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/53

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/004611 A2 (SENOYX, INC; ZOLLER, MARK, T; XU, HONG; STASZEWSKI, LENA; MOYER, BRYA) 16 January 2003 (2003-01-16) cited in the application paragraph '0003!; figure 9; examples 1,3 page 2, line 10 - line 20	1,3-12, 14-25
X	ILLING NICOLA ET AL: "Conditionally immortalized clonal cell lines from the mouse olfactory placode differentiate into olfactory receptor neurons" MOLECULAR AND CELLULAR NEUROSCIENCE, vol. 20, no. 2, June 2002 (2002-06), pages 225-243, XP002315703 ISSN: 1044-7431 abstract	1,3-12, 14-25

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

31 January 2005

Date of mailing of the international search report

15/02/2005

Name and mailing address of the ISA

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	<p>SHIROKOVA E. ET AL.: "Identification of specific ligands for orphan olfactory receptors: G-protein dependent agonism and antagonism of odorants"</p> <p>JOURNAL OF BIOLOGICAL CHEMISTRY, 'Online! 14 December 2004 (2004-12-14), XP002315704</p> <p>Retrieved from the Internet:</p> <p>URL: http://www.jbc.org/cgi/reprint/M411508200v1 'retrieved on 2005-01-26!</p> <p>Published online ahead of print December 14, 2004</p> <p>J. Biol. Chem, 10.1074/jbc.M411508200</p> <p>page 3, left-hand column, last line - right-hand column, line 2</p>	
A	<p>KAJIYA K ET AL: "Molecular bases of odor discrimination: Reconstitution of olfactory receptors that recognize overlapping sets of odorants."</p> <p>THE JOURNAL OF NEUROSCIENCE : THE OFFICIAL JOURNAL OF THE SOCIETY FOR NEUROSCIENCE.</p> <p>15 AUG 2001,</p> <p>vol. 21, no. 16,</p> <p>15 August 2001 (2001-08-15), pages 6018-6025, XP002315705</p> <p>ISSN: 1529-2401</p> <p>cited in the application</p> <p>the whole document</p>	
A	<p>WILSON S ET AL: "ORPHAN G-PROTEIN-COUPLED RECEPTORS: THE NEXT GENERATION OF DRUG TARGETS?"</p> <p>BRITISH JOURNAL OF PHARMACOLOGY,</p> <p>BASINGSTOKE, HANTS, GB,</p> <p>vol. 125, no. 7, December 1998 (1998-12), pages 1387-1392, XP001010584</p> <p>ISSN: 0007-1188</p> <p>cited in the application</p> <p>the whole document</p>	
A	<p>REED R R: "Signaling pathways in odorant detection."</p> <p>NEURON. FEB 1992,</p> <p>vol. 8, no. 2, February 1992 (1992-02), pages 205-209, XP002315707</p> <p>ISSN: 0896-6273</p> <p>figure 1</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">-/--</p>	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TOUHARA KAZUSHIGE: "Odor discrimination by G protein-coupled olfactory receptors." MICROSCOPY RESEARCH AND TECHNIQUE. 1 AUG 2002, vol. 58, no. 3, 1 August 2002 (2002-08-01), pages 135-141, XP002315708 ISSN: 1059-910X the whole document	
A	BRUZZONE R ET AL: "CONNECTIONS WITH CONNEXINS: THE MOLECULAR BASIS OF DIRECT INTERCELLULAR SIGNALING" EUROPEAN JOURNAL OF BIOCHEMISTRY, BERLIN, DE, vol. 238, 1996, pages 1-27, XP002913288 ISSN: 0014-2956 the whole document	

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 03004611	A2	16-01-2003	CA	2452315 A1	16-01-2003
			EP	1414940 A2	06-05-2004
			US	2003228633 A1	11-12-2003